PATENT COOPERATION TREATY

PCT

REC'D 0 9 MAY 2006 PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference FOR FURTHER ACTION See Form PCT/IPEA/416								
9808WO/UR/FB								
International application No.	International filing date (day/mon	th/year) Priority date (day/month/year)						
PCT/SE2005/000192	11-02-2005	11-02-2004						
International Patent Classification (IPC) or national classification and IPC								
See Supplemental Box								
Applicant	*							
SOLYOM, Stefan et al								
		1:-11 by this International Praliminary Evamining						
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 								
2. This REPORT consists of a total of 4 sheets, including this cover sheet.								
3. This report is also accompanied by ANNEXES, comprising:								
Sheets as follows:								
a. (sent to the applicant data to the international 2 in early a term of the description claims and/or drawings which have been amended and are the basis of this report								
and/or sheets	s containing rectifications authorize	ed by this Authority (see Rule 70.16 and Section 607 of the						
Administrative Instructions). sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes								
beyond the d	lisclosure in the international appli	cation as filed, as indicated in item 4 of Box No. I and the						
		1						
b. (sent to the Internati	onal Bureau only) a total of (indic	ate type and number of electronic carrier(s)) nuence listing and/or tables related thereto, in electronic						
form only, as indica	ted in the Supplemental Box Relat	ing to Sequence Listing (see Section 802 of the						
Administrative Instr	uctions).							
4. This report contains indications								
Box No. I Basis	of the report							
Box No. II Priori	-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
Box No. III Non-e	stablishment of opinion with regar	d to novelty, inventive step and industrial applicability						
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
applicability; citations and explanations supporting such statement Box No. VI Certain documents cited								
Box No. VII Certa								
Box No. VIII Certain observations on the international application								
Date of submission of the demand		of completion of this report						
12-12-2005		31-03-2006						
Name and mailing address of the IPEA/ Patent- och registreringsverke	~-	orized officer						
DOM FORE								
S-102 42 STOCKHOLM Facsimile No. +46 8 667 72 88	Ma Teler	agnus Westöö/MP phone No. +46 8 782 25 00						

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2005/000192

Supplemen	ıtal	Box
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In case the space in any of the preceding boxes is not sufficient.

Continuation of: Cover sheet

International patent classification (IPC)

G05F 1/14 (2006.01)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2005/000192

Box	No. I]	Basis	of the report	
1.	With	regard	to th	e language, this report is based on:	
		the ir	nterna	ational application in the language in which it was filed	
		a trar	nglati	on of the international application into he language of a translation furnished for the purposes of:	,
				nternational search (Rules 12.3(a) and 23.1(b))	
			j I	publication of the international application (Rule 12.4(a))	
			j	nternational preliminary examination (Rules 55.2(a) and/or 55.3(a))	
2.	furnis	shed to are not	o the t ann	the elements of the international application, this report is based on (in receiving Office in response to an invitation under Article 14 are referred exed to this report):	replacement sheets which have been to in this report as "originally filed"
	Ш	the	inter	national application as originally filed/furnished	
į	\boxtimes			ription:	as originally filed/furnished
į		pag	ges	1-10	as originally meanturnated
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	\boxtimes	the	clair		as originally filed/furnished
		pag	_	as amended (together	with any statement) under Article 19
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			ges*	11 - 41 - Anthority on	
	∇	4		wings:	
		7		13-16	as originally filed/furnished
		pa	ges*	received by this Authority on	
		pa	ıges*	received by this Authority on	
		as	seque	ence listing and/or any related table(s) – see Supplemental Box Relating to S	equence Listing.
3.	Г	TI F	he an	nendments have resulted in the cancellation of:	
	<u> </u>	_i 			
1		ļ		the description, pages	
				the claims, Nos.	
			Щ	the drawings, sheets/figs	
		!	닐	the sequence listing (specify):	
1			Ш	any table(s) related to the sequence listing (specify):	
4		_ n	This r nade,		indicated at the Days
				the description, pages	
				the claims, Nos.	
				the drawings, sheets/figs	
				the sequence listing (specify):	
				any table(s) related to the sequence listing (specify):	
	* <i>If</i>	item 4	appi	lies, some or all of those sheets may be marked "superseded."	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2005/000192

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

 Novelty (N)
 Claims
 1
 YES

 Claims
 NO

 Inventive step (IS)
 Claims
 1
 YES

 Claims
 NO
 YES

Industrial applicability (IA) Claims <u>1</u>
Claims

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: US 6313614 B1 D2: US 6219591 B1

Document D1 discloses a method for voltage stabilization of an electrical power network system, comprising a producing power network system side UP and a consuming power network side US. In this previously known method, a transformer TR equipped with a tap-changer TC is used, and the tap-changer is "dynamically controlled", see for example col. 17, line 55 col.18, line 14. The method according to the amended claim 1 the Application differs from International feed providing a document D1 by in disclosed compensation by using a filter. According to the description in the application, the feed forward compensation improves the convergence ratio of the system in case of a fault in the transmission line. Document D1 does not mention or imply the use of such a compensation, and claim 1 involves novelty as well as inventive step over document D1.

Document D2 defines the general state of the art, and is not of particular relevance.

The invention is industrially applicable.

he Swedish Patent Office CT International Application

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Claims

1 2 -12- 2005

1. Method for voltage stabilization of an electrical power network system comprising a producing power network system side and a consuming power network side, having an on-line tap changer added to a transformer characterised by,

dynamically controlling the transformer ratio n, dynamically controlling the on-line tap changer by changing a voltage reference, and providing a feed forward compensation by using a filter.